

# Hiroyuki Honda

## List of Publications by Year in descending order

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264  
papers

9,607  
citations

41339

49  
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45310

90  
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267  
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267  
docs citations

267  
times ranked

9792  
citing authors

#	ARTICLE	IF	CITATIONS
1	Selective concentration of antimicrobial peptides to heat-treated porous silica gel using adsorption/desorption. Journal of Bioscience and Bioengineering, 2022, 133, 161-167.	2.2	2
2	Development of microfluidic chip for entrapping tobacco BY-2 cells. PLoS ONE, 2022, 17, e0266982.	2.5	2
3	Screening of anti-atrophic peptides by using photo-cleavable peptide array and 96-well scale contractile human skeletal muscle atrophy models. Biotechnology and Bioengineering, 2022, 119, 2196-2205.	3.3	2
4	Immunomodulation of Melanoma by Chemo-Thermo-Immunotherapy Using Conjugates of Melanogenesis Substrate NPrCAP and Magnetite Nanoparticles: A Review. International Journal of Molecular Sciences, 2022, 23, 6457.	4.1	7
5	Increasing the activity of cell adherent cyclic NGR peptides by optimizing the peptide length and amino acid character. Journal of Peptide Science, 2021, 27, e3287.	1.4	1
6	Heterologous production of new lasso peptide korensin based on genome mining. Journal of Antibiotics, 2021, 74, 42-50.	2.0	2
7	Development of a human neuromuscular tissue-on-a-chip model on a 24-well-plate-format compartmentalized microfluidic device. Lab on A Chip, 2021, 21, 1897-1907.	6.0	20
8	Screening of a novel free fatty acid receptor 1 (FFAR1) agonist peptide by phage display and machine learning based-amino acid substitution. Biochemical and Biophysical Research Communications, 2021, 550, 177-183.	2.1	3
9	Screening of FFAR1-Activating Peptides by Molecular Structural Analysis. Kagaku Kogaku Ronbunshu, 2021, 47, 64-68.	0.3	0
10	Validity of "One-size-fits-all" Approaches for the National Health Screening and Education Program: A Large-scale Cohort Study of Corporate Insurance Beneficiaries. Internal Medicine, 2021, 60, 1681-1689.	0.7	0
11	Simple stain-free screening method for pectinolytic microorganisms under alkalophilic conditions. Biotechnology Letters, 2021, 43, 1905-1911.	2.2	1
12	Machine learning screening of bile acid-binding peptides in a peptide database derived from food proteins. Scientific Reports, 2021, 11, 16123.	3.3	9
13	In Silico Screening of a Bile Acid Micelle Disruption Peptide for Oral Consumptions from Edible Peptide Database. Foods, 2021, 10, 2496.	4.3	3
14	Agonist/Antagonist Activity of Oxytocin Variants Obtained from Free Cyclic Peptide Libraries Generated via Amino Acid Substitution. ACS Omega, 2021, 6, 31244-31252.	3.5	4
15	Fabrication of contractile skeletal muscle tissues using directly converted myoblasts from human fibroblasts. Journal of Bioscience and Bioengineering, 2020, 129, 632-637.	2.2	9
16	Disulfide linked hetero dimeric peptide arrays for screening functional peptides inside cells. Journal of Bioscience and Bioengineering, 2020, 129, 613-618.	2.2	9
17	Controlling distance, size and concentration of nanoconjugates for optimized LSPR based biosensors. Biosensors and Bioelectronics, 2020, 170, 112657.	10.1	34
18	In Vitro Model of Human Skeletal Muscle Tissues with Contractility Fabricated by Immortalized Human Myogenic Cells. Advanced Biology, 2020, 4, e2000121.	3.0	20

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19	Bile acid micelle disruption activity of short-chain peptides from tryptic hydrolyzate of edible proteins. <i>Journal of Bioscience and Bioengineering</i> , 2020, 130, 514-519.	2.2	5
20	Machine Learning-Based Amino Acid Substitution of Short Peptides: Acquisition of Peptides with Enhanced Inhibitory Activities against $\alpha$ -Amylase and $\alpha$ -Glucosidase. <i>ACS Biomaterials Science and Engineering</i> , 2020, 6, 6117-6125.	5.2	11
21	Fluorometric virus detection platform using quantum dots-gold nanocomposites optimizing the linker length variation. <i>Analytica Chimica Acta</i> , 2020, 1109, 148-157.	5.4	59
22	Effectiveness of Lifestyle Intervention Using the Internet of Things System for Individuals with Early Type 2 Diabetes Mellitus. <i>Internal Medicine</i> , 2020, 59, 45-53.	0.7	8
23	Effect of cell-extracellular matrix interaction on myogenic characteristics and artificial skeletal muscle tissue. <i>Journal of Bioscience and Bioengineering</i> , 2020, 130, 98-105.	2.2	5
24	Antidepressive effect of an inward rectifier K <sup>+</sup> channel blocker peptide, tertiapin-RQ. <i>PLoS ONE</i> , 2020, 15, e0233815.	2.5	4
25	Identification of an early cell fate regulator by detecting dynamics in transcriptional heterogeneity and co-regulation during astrocyte differentiation. <i>Npj Systems Biology and Applications</i> , 2019, 5, 18.	3.0	10
26	Predictive selection and evaluation of appropriate functional peptides for intestinal delivery with a porous silica gel. <i>Journal of Bioscience and Bioengineering</i> , 2019, 128, 44-49.	2.2	8
27	Pep-MS assay: Protease hydrolysis assay system using photo-cleavable peptide array and mass spectrometer. <i>Journal of Bioscience and Bioengineering</i> , 2019, 128, 156-161.	2.2	2
28	Open-Chamber Co-Culture Microdevices for Single-Cell Analysis of Skeletal Muscle Myotubes and Motor Neurons with Neuromuscular Junctions. <i>Biochip Journal</i> , 2019, 13, 127-132.	4.9	7
29	Selective Elimination of Bitter Peptides by Adsorption to Heat-treated Porous Silica Gel. <i>Food Science and Technology Research</i> , 2019, 25, 179-186.	0.6	8
30	Searching for high-binding peptides to bile acid for inhibition of intestinal cholesterol absorption using principal component analysis. <i>Journal of Bioscience and Bioengineering</i> , 2019, 127, 366-371.	2.2	8
31	Mutations responsible for alcohol tolerance in the mutant of <i>Synechococcus elongatus</i> PCC 7942 (SY1043) obtained by single-cell screening system. <i>Journal of Bioscience and Bioengineering</i> , 2018, 125, 572-577.	2.2	8
32	Effect of dietary energy and polymorphisms in BRAP and GHRL on obesity and metabolic traits. <i>Obesity Research and Clinical Practice</i> , 2018, 12, 39-48.	1.8	22
33	Interaction between porous silica gel microcarriers and peptides for oral administration of functional peptides. <i>Scientific Reports</i> , 2018, 8, 10971.	3.3	11
34	Selective Elimination of Human Induced Pluripotent Stem Cells Using Medium with High Concentration of L-Alanine. <i>Scientific Reports</i> , 2018, 8, 12427.	3.3	27
35	In-process evaluation of culture errors using morphology-based image analysis. <i>Regenerative Therapy</i> , 2018, 9, 15-23.	3.0	17
36	Genomic analysis of a <i>Streptomyces tsukubaensis</i> mutant with reduced FR900525 production isolated by selection for S-(2-aminoethyl) L-cysteine resistance. <i>Journal of Bioscience and Bioengineering</i> , 2018, 126, 580-585.	2.2	0

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37	Morphology-based early profiling of chemical compound effects on mesenchymal stem cell. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2018, WCP2018, PO4-4-12.	0.0	0
38	Lifestyle intervention using Internet of Things (IoT) for the elderly: A study protocol for a randomized control trial (the BEST-LIFE study). Nagoya Journal of Medical Science, 2018, 80, 175-182.	0.3	4
39	Visualization of morphological categories of colonies for monitoring of effect on induced pluripotent stem cell culture status. Regenerative Therapy, 2017, 6, 41-51.	3.0	37
40	Reduction of FR900525 using an S -(2-aminoethyl) l -cysteine-resistant mutant. Journal of Bioscience and Bioengineering, 2017, 123, 685-691.	2.2	1
41	Image-based cell quality evaluation to detect irregularities under same culture process of human induced pluripotent stem cells. Journal of Bioscience and Bioengineering, 2017, 123, 642-650.	2.2	13
42	Alcohol-tolerant mutants of cyanobacterium <i>Synechococcus elongatus</i> PCC 7942 obtained by single-cell mutant screening system. Biotechnology and Bioengineering, 2017, 114, 1771-1778.	3.3	8
43	Morphology-based non-invasive quantitative prediction of the differentiation status of neural stem cells. Journal of Bioscience and Bioengineering, 2017, 124, 351-358.	2.2	15
44	Effective modification of cell death-inducing intracellular peptides by means of a photo-cleavable peptide array-based screening system. Journal of Bioscience and Bioengineering, 2017, 124, 209-214.	2.2	15
45	Screening of peptides associated with adhesion and aggregation of <i>Lactobacillus rhamnosus</i> GG in vitro. Biochemical Engineering Journal, 2017, 128, 178-185.	3.6	20
46	Detection of Her2-overexpressing cancer cells using keyhole shaped chamber array employing a magnetic droplet-handling system. Biosensors and Bioelectronics, 2017, 93, 32-39.	10.1	6
47	Association of interactions between dietary salt consumption and hypertension-susceptibility genetic polymorphisms with blood pressure among Japanese male workers. Clinical and Experimental Nephrology, 2017, 21, 457-464.	1.6	11
48	Exploring high-affinity binding properties of octamer peptides by principal component analysis of tetramer peptides. Journal of Bioscience and Bioengineering, 2017, 123, 230-238.	2.2	13
49	Three-Dimensional Culture Model of Skeletal Muscle Tissue with Atrophy Induced by Dexamethasone. Bioengineering, 2017, 4, 56.	3.5	34
50	Association between kidney function and genetic polymorphisms in atherosclerotic and chronic kidney diseases: A cross-sectional study in Japanese male workers. PLoS ONE, 2017, 12, e0185476.	2.5	5
51	Randomized controlled trial for assessment of Internet of Things system to guide intensive glucose control in diabetes outpatients: Nagoya Health Navigator Study protocol. Nagoya Journal of Medical Science, 2017, 79, 323-329.	0.3	12
52	Screening of Osteogenic-Enhancing Short Peptides from BMPs for Biomimetic Material Applications. Materials, 2016, 9, 730.	2.9	17
53	Focused Screening of ECM-Selective Adhesion Peptides on Cellulose-Bound Peptide Microarrays. Bioengineering, 2016, 3, 31.	3.5	5
54	Combinational Effect of Cell Adhesion Biomolecules and Their Immobilized Polymer Property to Enhance Cell-Selective Adhesion. International Journal of Polymer Science, 2016, 2016, 1-9.	2.7	7

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55	A New In Vitro Co-culture Model Using Magnetic Force-based Nanotechnology. Journal of Cellular Physiology, 2016, 231, 2249-2256.	4.1	1
56	A single cell culture system using lectin-conjugated magnetite nanoparticles and magnetic force to screen mutant cyanobacteria. Biotechnology and Bioengineering, 2016, 113, 112-119.	3.3	6
57	Development of a tactical screening method to investigate the characteristics of functional peptides. Biotechnology and Bioprocess Engineering, 2016, 21, 119-127.	2.6	10
58	Plasma-activated medium selectively eliminates undifferentiated human induced pluripotent stem cells. Regenerative Therapy, 2016, 5, 55-63.	3.0	26
59	Rapid Colorimetric Antibody Detection Using a Dual-function Peptide Probe for Silver Nanoparticle Aggregation and Antibody Recognition. Analytical Sciences, 2016, 32, 93-97.	1.6	9
60	Ex vivo culture of circulating tumor cells using magnetic force-based coculture on a fibroblast feeder layer. Biotechnology Journal, 2016, 11, 1433-1442.	3.5	8
61	Parametric analysis of colony morphology of non-labelled live human pluripotent stem cells for cell quality control. Scientific Reports, 2016, 6, 34009.	3.3	66
62	Morphological Evaluation of Nonlabeled Cells to Detect Stimulation of Nerve Growth Factor Expression by Lyconadin B. Journal of Biomolecular Screening, 2016, 21, 795-803.	2.6	8
63	Magnetic Nanoparticle-Mediated Hyperthermia and Induction of Anti-Tumor Immune Responses. , 2016, , 137-150.		3
64	Comparisons of cell culture medium using distribution of morphological features in microdevice. Journal of Bioscience and Bioengineering, 2016, 121, 117-123.	2.2	7
65	Differential variability and correlation of gene expression identifies key genes involved in neuronal differentiation. BMC Systems Biology, 2015, 9, 82.	3.0	9
66	Effects of the properties of short peptides conjugated with cell-penetrating peptides on their internalization into cells. Scientific Reports, 2015, 5, 12884.	3.3	24
67	Three-dimensional magnetic cell array for evaluation of anti-proliferative effects of chemo-thermo treatment on cancer spheroids. Biotechnology and Bioprocess Engineering, 2015, 20, 488-497.	2.6	6
68	Screening of Short Length Functional Peptide by Peptide Array. Kagaku To Seibutsu, 2015, 53, 503-509.	0.0	0
69	Identification of an Interaction between VWF rs7965413 and Platelet Count as a Novel Risk Marker for Metabolic Syndrome: An Extensive Search of Candidate Polymorphisms in a Case-Control Study. PLoS ONE, 2015, 10, e0117591.	2.5	10
70	Design of a dual-function peptide probe as a binder of angiotensin II and an inducer of silver nanoparticle aggregation for use in label-free colorimetric assays. Talanta, 2015, 142, 235-239.	5.5	16
71	Efficient capturing of circulating tumor cells using a magnetic capture column and a size-selective filter. Bioprocess and Biosystems Engineering, 2015, 38, 1693-1704.	3.4	10
72	Development of a New Rapid Isolation Device for Circulating Tumor Cells (CTCs) Using 3D Palladium Filter and Its Application for Genetic Analysis. PLoS ONE, 2014, 9, e88821.	2.5	69

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73	Label-Free Morphology-Based Prediction of Multiple Differentiation Potentials of Human Mesenchymal Stem Cells for Early Evaluation of Intact Cells. PLoS ONE, 2014, 9, e93952.	2.5	44
74	Micro-compartmentalized cultivation of cyanobacteria for mutant screening using glass slides with highly water-repellent mark. Biotechnology Reports (Amsterdam, Netherlands), 2014, 4, 151-155.	4.4	4
75	Droplet-based biochemical assay by magnetic wire manipulation between multiple droplets. Microsystem Technologies, 2014, 20, 315-323.	2.0	1
76	TLR4 and NLRP3 inflammasome activation in monocytes by N-propionyl cysteaminyphenol-maleimide-dextran (NPCMD). Journal of Dermatological Science, 2014, 73, 209-215.	1.9	5
77	Multilayered adipose-derived regenerative cell sheets created by a novel magnetite tissue engineering method for myocardial infarction. International Journal of Cardiology, 2014, 175, 545-553.	1.7	50
78	Degranulation of basophilic leukemia cells on branched-chain peptide array with an OVA-“DNP double epitope. Biochemical Engineering Journal, 2014, 87, 8-14.	3.6	5
79	Design of Quenching Peptide Probes Incorporating Tryptophan for Rapid IgG Detection. Chemistry Letters, 2014, 43, 550-552.	1.3	3
80	Effect of Vascular Formed Endothelial Cell Network on the Invasive Capacity of Melanoma Using the In Vitro 3D Co-Culture Patterning Model. PLoS ONE, 2014, 9, e103502.	2.5	21
81	Screening of peptide ligands that bind to the Fc region of IgG using peptide array and its application to affinity purification of antibody. Biochemical Engineering Journal, 2013, 79, 33-40.	3.6	46
82	Cell behavior observation and gene expression analysis of melanoma associated with stromal fibroblasts in a three-dimensional magnetic cell culture array. Biotechnology Progress, 2013, 29, 135-142.	2.6	16
83	Magnetic force-based cell patterning for evaluation of the effect of stromal fibroblasts on invasive capacity in 3Dcultures. Biosensors and Bioelectronics, 2013, 42, 300-307.	10.1	19
84	iPS cell sheets created by a novel magnetite tissue engineering method for reparative angiogenesis. Scientific Reports, 2013, 3, 1418.	3.3	54
85	T-cell receptor repertoires of tumor-infiltrating lymphocytes after hyperthermia using functionalized magnetite nanoparticles. Nanomedicine, 2013, 8, 891-902.	3.3	20
86	Melanoma-Targeted Chemothermotherapy and <i>In Situ</i> Peptide Immunotherapy through HSP Production by Using Melanogenesis Substrate, NPrCAP, and Magnetite Nanoparticles. Journal of Skin Cancer, 2013, 2013, 1-12.	1.2	13
87	JCEJ Outstanding Paper Award of 2012. Journal of Chemical Engineering of Japan, 2013, 46, 515-516.	0.6	0
88	Construction of Functional Cardiovascular Tissues Using Magnetic Nanoparticles. , 2013, , 221-228.		2
89	Macrophage Migration Inhibitory Factor and Stearoyl-CoA Desaturase 1: Potential Prognostic Markers for Soft Tissue Sarcomas Based on Bioinformatics Analyses. PLoS ONE, 2013, 8, e78250.	2.5	12
90	Outstanding Paper of 2012. Kagaku Kogaku Ronbunshu, 2013, 39, 265-266.	0.3	0

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91	Screening of an $\alpha$ -Amylase Inhibitor Peptide by Photolinker <sup>®</sup> Peptide Array. Bioscience, Biotechnology and Biochemistry, 2012, 76, 819-824.	1.3	26
92	JCEJ Outstanding Paper Award of 2011. Journal of Chemical Engineering of Japan, 2012, 45, 467-468.	0.6	0
93	Mechanism of putative neo-antigen formation from N-propionyl-4-S-cysteaminyphenol, a tyrosinase substrate, in melanoma models. Biochemical Pharmacology, 2012, 84, 646-653.	4.4	15
94	Screening for silver nanoparticle-binding peptides by using a peptide array. Biochemical Engineering Journal, 2012, 66, 73-77.	3.6	17
95	Combinational risk factors of metabolic syndrome identified by fuzzy neural network analysis of health-check data. BMC Medical Informatics and Decision Making, 2012, 12, 80.	3.0	14
96	N-propionyl-4-S-cysteaminyphenol induces apoptosis in B16F1 cells and mediates tumor-specific T-cell immune responses in a mouse melanoma model. Journal of Dermatological Science, 2012, 67, 51-60.	1.9	16
97	Collagen type IV $\alpha$ -specific tripeptides for selective adhesion of endothelial and smooth muscle cells. Biotechnology and Bioengineering, 2012, 109, 1808-1816.	3.3	61
98	Enhancement of the Activity of a Lactobacilli-Aggregating Peptide by Freezing Treatment. Journal of Chemical Engineering of Japan, 2012, 45, 609-614.	0.6	0
99	Outstanding Paper of 2011. Kagaku Kogaku Ronbunshu, 2012, 38, 189-190.	0.3	0
100	Peptide Array-Based Peptide-Cell Interaction Analysis. Mini-Reviews in Organic Chemistry, 2011, 8, 171-177.	1.3	9
101	Screening of peptides with a high affinity to bile acids using peptide arrays and a computational analysis. Journal of Bioscience and Bioengineering, 2011, 112, 92-97.	2.2	26
102	Personalized assessment of oxidative cellular damages associated with diabetes using erythrocytes adhesion assay. Journal of Bioscience and Bioengineering, 2011, 112, 635-637.	2.2	1
103	Amino acid sequence preferences to control cell $\alpha$ -specific organization of endothelial cells, smooth muscle cells, and fibroblasts. Journal of Peptide Science, 2011, 17, 479-486.	1.4	12
104	Enhanced Angiogenesis by Transplantation of Mesenchymal Stem Cell Sheet Created by a Novel Magnetic Tissue Engineering Method. Arteriosclerosis, Thrombosis, and Vascular Biology, 2011, 31, 2210-2215.	2.4	88
105	Screening of IgG-Fc Binding Peptides from Milk Protein Using Slide Glass Type-Exclusive Peptide Array. Kagaku Kogaku Ronbunshu, 2011, 37, 546-550.	0.3	1
106	Droplet-based gene expression analysis using a device with magnetic force-based-droplet-handling system. Journal of Bioscience and Bioengineering, 2010, 109, 193-197.	2.2	56
107	Magnetic manipulation device for the optimization of cell processing conditions. Journal of Bioscience and Bioengineering, 2010, 109, 182-188.	2.2	12
108	Scale-up fermentation of echinocandin type antibiotic FR901379. Journal of Bioscience and Bioengineering, 2010, 109, 138-144.	2.2	16



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109	Practical cell labeling with magnetite cationic liposomes for cell manipulation. Journal of Bioscience and Bioengineering, 2010, 110, 124-129.	2.2	4
110	Peptide array-based characterization and design of ZnO-high affinity peptides. Biotechnology and Bioengineering, 2010, 106, 845-851.	3.3	32
111	Screening of peptides with a high affinity for ZnO using spot-synthesized peptide arrays and computational analysis. Acta Biomaterialia, 2010, 6, 2301-2306.	8.3	23
112	Melanoma-targeted chemo-thermo-immuno (CTI)-therapy using N-propionyl-L-cysteaminyphenol-magnetite nanoparticles elicits CTL response via heat shock protein-peptide complex release. Cancer Science, 2010, 101, 1939-1946.	3.9	33
113	Construction of an Electrochemical Antibiofouling System for Plate Heat Exchangers. Journal of Chemical Engineering of Japan, 2010, 43, 608-611.	0.6	2
114	Growth Inhibition of Re-Challenge B16 Melanoma Transplant by Conjugates of Melanogenesis Substrate and Magnetite Nanoparticles as the Basis for Developing Melanoma-Targeted Chemo-Thermo-Immunotherapy. Journal of Biomedicine and Biotechnology, 2009, 2009, 1-13.	3.0	36
115	Development of peptide arrays for detection of IgE-binding epitopes in cow's milk allergens. Journal of Bioscience and Bioengineering, 2009, 107, 324-330.	2.2	14
116	Drastic change in cell surface hydrophobicity of a new bacterial strain, Pseudomonas sp. TIS1-127, induced by growth temperature and its effects on the toluene-conversion rate. Journal of Bioscience and Bioengineering, 2009, 107, 250-255.	2.2	14
117	Improvement of FR901379 production by mutant selection and medium optimization. Journal of Bioscience and Bioengineering, 2009, 107, 530-534.	2.2	23
118	Application of magnetic force-based cell patterning for controlling cell-cell interactions in angiogenesis. Biotechnology and Bioengineering, 2009, 102, 882-890.	3.3	50
119	N-Propionyl-Cysteaminyphenol-Magnetite Conjugate (NPrCAP/M) Is a Nanoparticle for the Targeted Growth Suppression of Melanoma Cells. Journal of Investigative Dermatology, 2009, 129, 2233-2241.	0.7	39
120	Use of erythrocyte adhesion assay to predict the risk of diabetic complications. Biochemical Engineering Journal, 2009, 43, 178-184.	3.6	6
121	Peptide array-based analysis of the specific IgE and IgG4 in cow's milk allergens and its use in allergy evaluation. Peptides, 2009, 30, 1840-1847.	2.4	29
122	Three-dimensional cell culture array using magnetic force-based cell patterning for analysis of invasive capacity of BALB/3T3/v-src. Lab on A Chip, 2009, 9, 3378.	6.0	64
123	Preparation of L929 Cell Array by Magnetic Pin Holder Device for Single Cell Function Analysis. Journal of Chemical Engineering of Japan, 2009, 42, 290-297.	0.6	5
124	Detection of Physical Environmental Factors on Comfortableness of Housing. Transactions of Japan Society of Kansei Engineering, 2009, 9, 97-102.	0.1	1
125	Screening of Epithelial Cell-Adhesive Peptides from Fibronectin Loop Region and Its Cell Specificity. Journal of Chemical Engineering of Japan, 2009, 42, 298-302.	0.6	1
126	Overexpression of prefoldin from the hyperthermophilic archaeum Pyrococcus horikoshii OT3 endowed Escherichia coli with organic solvent tolerance. Applied Microbiology and Biotechnology, 2008, 79, 443-449.	3.6	28



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127	Plasmid DNA transfection using magnetite cationic liposomes for construction of multilayered gene-engineered cell sheet. <i>Biotechnology and Bioengineering</i> , 2008, 100, 168-176.	3.3	27
128	On-chip polymerase chain reaction microdevice employing a magnetic droplet-manipulation system. <i>Sensors and Actuators B: Chemical</i> , 2008, 130, 583-588.	7.8	69
129	Identification of HLA-A24-restricted epitopes with high affinities to Hsp70 using peptide arrays. <i>Journal of Bioscience and Bioengineering</i> , 2008, 105, 198-203.	2.2	16
130	Peptide array-based screening of human mesenchymal stem cell-adhesive peptides derived from fibronectin type III domain. <i>Biochemical and Biophysical Research Communications</i> , 2008, 371, 85-89.	2.1	36
131	Effect of global transcriptional regulators related to carbohydrate metabolism on organic solvent tolerance in <i>Escherichia coli</i> . <i>Journal of Bioscience and Bioengineering</i> , 2008, 105, 389-394.	2.2	16
132	A motif detection and classification method for peptide sequences using genetic programming. <i>Journal of Bioscience and Bioengineering</i> , 2008, 106, 154-161.	2.2	3
133	Hyperthermic treatment of DMBA-induced rat mammary cancer using magnetic nanoparticles. <i>Biomagnetic Research and Technology</i> , 2008, 6, 2.	2.0	29
134	Cell culture arrays using magnetic force-based cell patterning for dynamic single cell analysis. <i>Lab on A Chip</i> , 2008, 8, 134-142.	6.0	139
135	Size dependent heat generation of magnetite nanoparticles under AC magnetic field for cancer therapy. <i>Biomagnetic Research and Technology</i> , 2008, 6, 4.	2.0	41
136	Computationally assisted screening and design of cell-interactive peptides by a cell-based assay using peptide arrays and a fuzzy neural network algorithm. <i>BioTechniques</i> , 2008, 44, 393-402.	1.8	27
137	Screening of Cell-Adhesive Peptide from the Human Laminin-5 .ALPHA.3 Chain Globular 2 and 3 Domains. <i>Journal of Chemical Engineering of Japan</i> , 2008, 41, 206-209.	0.6	5
138	Construction of Multi-layered Cell Sheet Using Magnetite Nanoparticles and Magnetic Force. , 2008, , 129-135.		0
139	Expression Profiling of Peripheral Blood Mononuclear Cells from Patients with Chronic Hepatitis C Undergoing Interferon Therapy. <i>Journal of Infectious Diseases</i> , 2007, 195, 255-267.	4.0	14
140	Incorporation of Capillary-Like Structures into Dermal Cell Sheets Constructed by Magnetic Force-Based Tissue Engineering. <i>Journal of Chemical Engineering of Japan</i> , 2007, 40, 51-58.	0.6	31
141	Screening of a novel octamer peptide, CNSCWSKD, that induces caspase-dependent cell death. <i>Biochemical and Biophysical Research Communications</i> , 2007, 362, 1063-1068.	2.1	25
142	Enhanced activity of 3 $\beta$ -hydroxysteroid dehydrogenase by addition of the co-solvent 1-butyl-3-methylimidazolium (I)-lactate in aqueous phase of biphasic systems for reductive production of steroids. <i>Journal of Biotechnology</i> , 2007, 128, 376-382.	3.8	29
143	Mag-seeding of rat bone marrow stromal cells into porous hydroxyapatite scaffolds for bone tissue engineering. <i>Journal of Bioscience and Bioengineering</i> , 2007, 104, 171-177.	2.2	69
144	Construction of multi-layered cardiomyocyte sheets using magnetite nanoparticles and magnetic force. <i>Biotechnology and Bioengineering</i> , 2007, 96, 803-809.	3.3	87

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145	Cell patterning using magnetite nanoparticles and magnetic force. <i>Biotechnology and Bioengineering</i> , 2007, 97, 1309-1317.	3.3	127
146	Bone tissue engineering with human mesenchymal stem cell sheets constructed using magnetite nanoparticles and magnetic force. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2007, 82B, 471-480.	3.4	126
147	New cancer diagnosis modeling using boosting and projective adaptive resonance theory with improved reliable index. <i>Biochemical Engineering Journal</i> , 2007, 33, 100-109.	3.6	16
148	4-S-Cysteaminyphenol-loaded magnetite cationic liposomes for combination therapy of hyperthermia with chemotherapy against malignant melanoma. <i>Cancer Science</i> , 2007, 98, 424-430.	3.9	77
149	Effective cell-seeding technique using magnetite nanoparticles and magnetic force onto decellularized blood vessels for vascular tissue engineering. <i>Journal of Bioscience and Bioengineering</i> , 2007, 103, 472-478.	2.2	104
150	Application of Ultra-Water-Repellent Surface to Cell Culture. <i>Journal of Bioscience and Bioengineering</i> , 2007, 104, 420-423.	2.2	15
151	Increase of organic solvent tolerance by overexpression of manXYZ in <i>Escherichia coli</i> . <i>Applied Microbiology and Biotechnology</i> , 2007, 73, 1394-1399.	3.6	43
152	Heat immunotherapy with heat shock protein expression by hyperthermia using magnetite nanoparticles. <i>Annals of Cancer Research and Therapy</i> , 2007, 15, 27-34.	0.3	2
153	Investigation of the relationship between sample size and risk factors for complex diseases based on a simulation study. <i>Chem-Bio Informatics Journal</i> , 2007, 7, 1-11.	0.3	0
154	Fabrication of 3D Tissue-Like Structure Using Magnetite Nanoparticles and Magnetic Force. , 2006, , .		1
155	High-throughput screening of cell death inducible short peptides from TNF-related apoptosis-inducing ligand sequence. <i>FEBS Letters</i> , 2006, 580, 885-889.	2.8	20
156	Proposal of Pumpless, Valveless, and Flowless Miniaturized Reactor Using Magnetic Beads for the Portable Analysis Device. <i>Journal of Chemical Engineering of Japan</i> , 2006, 39, 1296-1299.	0.6	10
157	Complete regression of experimental prostate cancer in nude mice by repeated hyperthermia using magnetite cationic liposomes and a newly developed solenoid containing a ferrite core. <i>Prostate</i> , 2006, 66, 718-727.	2.3	50
158	Cancer immunotherapy based on intracellular hyperthermia using magnetite nanoparticles: a novel concept of "heat-controlled necrosis" with heat shock protein expression. <i>Cancer Immunology, Immunotherapy</i> , 2006, 55, 320-328.	4.2	245
159	Peptide array-based interaction assay of solid-bound peptides and anchorage-dependant cells and its effectiveness in cell-adhesive peptide design. <i>Journal of Bioscience and Bioengineering</i> , 2006, 101, 485-495.	2.2	54
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